

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
A. SAM BEDDAR	02/09/2016
DANIEL ROBERTSON	02/09/2016
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14893872
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SIGNATURE:	/Jennifer Norman-Wolfe/
DATE SIGNED:	04/05/2016
Total Attachments: 3	
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ASSIGNMENT

A. Sam BEDDAR, of 4116 Emory Avenue, Houston, Texas 77005, a citizen of United States of America, Louis ARCHAMBAULT, of 102-B boul. des Cedres, Quebec, QC Canada G1L 1M9, a citizen of Canada, and Daniel ROBERTSON, of 1885 El Paseo St. #135, Houston, Texas 77054, a citizen of United States of America, have invented **LARGE-VOLUME SCINTILLATOR DETECTOR FOR RAPID REAL-TIME 3-D DOSE IMAGING OF ADVANCED RADIATION THERAPY MODALITIES**. This is an Assignment of the following rights, title and interest (check all that apply):

- ☒ United States of America rights, title and interest in the invention
- ☒ Foreign rights, title and interest in the invention
- ☐ An application to the Commissioner for Patents of the United States of America filed herewith
- ☒ United States Provisional Patent Application Serial No. 61/829,397 filed on May 31, 2013
- ☒ United States Patent Application Serial No. 14/893,872 filed on November 24, 2015
- ☐ United States Patent No(s).
- ☒ International (PCT) Patent Application Serial No. PCT/US2014/040228 filed on May 30, 2014
- ☐ Other (specify):

We, A. Sam BEDDAR and Daniel ROBERTSON, were employed by The University of Texas M. D. Anderson Cancer, a State Institution of Higher Education established under the laws of the State of Texas within The University of Texas System, at the time the invention was made. The conditions under which said invention was made are such that the Board of Regents, The University of Texas System (hereinafter SYSTEM), having a place of business at 201 West 7th St., Austin, TX 78701, owns our entire right, title, and interest in the invention, in the United States and all other countries throughout the world.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we, the undersigned, have voluntarily sold, assigned, and transferred and do voluntarily sell, assign, and transfer to SYSTEM, and successors and assigns, our full and exclusive right, title and interest in and to the invention(s) disclosed in said application throughout the world, including the United States and its territorial possessions and in all foreign countries, including all rights to claim priority, in and to any and all improvements which are disclosed in said application. This includes an assignment of all Letters Patent that may be granted on the invention in the United States of America and all countries throughout the world, and any divisional, renewal, continuation in whole or in part, substitution, conversion, reexamination, reissue, prolongation or extension thereof; and the right to claim priority from the patent application as provided for by United States law, the Patent Cooperation Treaty, the European Patent Convention, the Paris Convention, or other applicable law.

We have authorized SYSTEM to file and prosecute this patent application, as well as any corresponding international or national applications that claim priority from it. SYSTEM has the right to select attorneys or agents of its choice to prosecute at its discretion these applications on its behalf. We authorize and request the issuance of said Letters Patent to SYSTEM, as assignee of our entire right, title, and interest to be held as fully and entirely as the same would have been

held by us had this assignment not been made.

We warrant that there are no outstanding assignments, grants, liens, encumbrances, or agreements either written, oral, or implied that will impair, diminish, limit, or abridge the interest herein conveyed at the time of the execution of the present assignment. We shall not communicate nor cooperate in any manner with any third party, other than SYSTEM, that claims any rights in and to said invention(s) and said application.

We also hereby assign all rights, title and interest to any improvements related to said invention(s) to SYSTEM and agree to promptly and fully communicate to SYSTEM any facts and information known to us respecting any improvements related to said invention(s) and said application while any patent application anywhere in the world is still pending that claims priority, whether directly or indirectly, from said invention(s) or said application(s). We will maintain any such facts and information in confidence and will only reveal such facts and information to SYSTEM or its assigns.

We also covenant that we will communicate to SYSTEM, its representatives, assigns or agents, any facts known to us respecting said invention(s) or said application(s), and to testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, provide all requested documents, and do everything reasonably possible to aid SYSTEM and its assigns to obtain and enforce proper patent protection for said invention(s) or said application(s) in the United States or any foreign country. These provisions are binding upon our heirs, legal representatives, administrators and assigns.

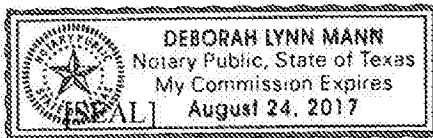
We grant SYSTEM, the power to insert on this Assignment any further information that may be necessary or desirable in order to comply with all applicable legal requirements, including the rules of the United States Patent and Trademark Office, for submitting and recording this document.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: February 9, 2016
STATE OF TEXAS)
) ss.
COUNTY OF HARRIS)

A. Sam Beddar
A. Sam BEDDAR

This day of _____ 20__, before me personally came the above-named A. Sam BEDDAR, who executed the foregoing Assignment in my presence, and who acknowledged to me that it was executed under that person's own free will for the purposes set forth therein.



Deborah Lynn Mann
Notary Public for TEXAS
My commission expires: August 24, 2017

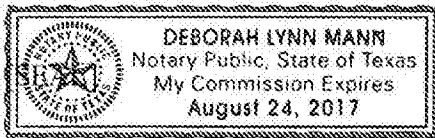
IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: February 9, 2016
STATE OF TEXAS)
COUNTY OF HARRIS) ss.

Daniel Robertson

Daniel ROBERTSON

This 9th day of FEBRUARY 2016, before me personally came the above-named Daniel ROBERTSON, who executed the foregoing Assignment in my presence, and who acknowledged to me that it was executed under that person's own free will for the purposes set forth therein.



Deborah Lynn Mann
Notary Public for TEXAS

My commission expires: AUGUST 24, 2017